

ATTACHMENT 5 - BUDGET SUMMARY

Estimated Capital Costs for Projects - The Poso Creek IRWM Drought Grant Proposal includes the estimated capital costs of three projects. Project budgets are presented in DWR's Table 7 Project Budget Form, which summarizes the estimated budgets for the 12 tasks into four categories; (a) Direct Project Administration, (b) Land Purchase and Easement, (c) Planning, Design, Engineering, and Environmental Documentation, and (d) Construction and Implementation.

Each project budget estimate is based on very recent, related construction activity to ensure they are reasonable and based on current information. For example, the Poso Creek IRWM received funding for lining a portion of the Calloway Canal as part of the IRWM Imp, Round 1 in June, 2012. The Calloway Canal Lining was for the same dimensions, 50 foot bottom width, 29 foot side slopes, and 4-inch thick concrete, as the proposed Project 1 of this Drought Proposal. The total project cost to line over one mile of canal in 2012/2013 was approximately \$650/linear foot. For the purpose of this Drought Proposal, the total project budget for Project 1 for construction to be completed in 2015 is approximately \$700/linear foot. The increase in estimated cost reflects the uncertainty with estimating future construction based on pricing obtained during the economic recovery. North Kern and Cawelo prepared a 100% Design and Bid Package for Reach A and Reach B of the Calloway Canal and were ready to advertise for construction bids in March, 2014; the district's Board of Directors had to delay construction due to the drought, since there is a negative impact on district revenue due to the drought.

Table 7-1: Budget for Project 1 North Kern WSD Calloway Canal Improvements Project Serves a need of a DAC? No Funding Match Waiver request? No				
Category	(a) Requested Grant Amount	(b) Cost Share: Non-State Fund Source* (Funding)	(c) Cost Share: Other State Fund Source*	(d) Total Cost
(a) Direct Project Administration	\$ 63,800	\$ 64,500	\$ 37,900	\$ 166,200
Task 1 - Administration	\$ 35,000	\$ 35,400	\$ 20,800	\$ 91,200
Task 2 - Labor Compliance Program	\$ 9,600	\$ 9,700	\$ 5,700	\$ 25,000
Task 3 - Reporting	\$ 19,200	\$ 19,400	\$ 11,400	\$ 50,000
(b) Land Purchase/ Easement - Task 4 Land Acquisition	\$ -	\$ -	\$ -	\$ -
(c) Planning/Design/Engineering/Environmental Documentation	\$ 149,000	\$ 150,400	\$ 88,300	\$ 387,700
Task 5 - Assessment and Evaluation	\$ -	\$ -	\$ -	\$ -
Task 6 - Final Design	\$ 134,800	\$ 136,000	\$ 79,800	\$ 350,600
Task 7 - Environmental Documentation	\$ 3,800	\$ 3,900	\$ 2,300	\$ 10,000
Task 8 - Permitting	\$ 10,400	\$ 10,500	\$ 6,200	\$ 27,100
(d) Construction / Implementation	\$ 3,165,500	\$ 3,194,600	\$ 1,873,800	\$ 8,233,900
Task 9 - Construction Contracting	\$ 9,600	\$ 9,700	\$ 5,700	\$ 25,000
Task 10 - Construction	\$ 2,695,600	\$ 2,720,500	\$ 1,595,800	\$ 7,011,900
Task 11 - Environmental Compliance/Mitigation/Enhancement	\$ 3,000	\$ 1,000	\$ 1,000	\$ 5,000
Task 12 - Construction Administration	\$ 188,700	\$ 190,400	\$ 111,700	\$ 490,800
Construction/Implementation Contingency	\$ 268,600	\$ 273,000	\$ 159,600	\$ 701,200
(e) Grand Total	\$ 3,378,300	\$ 3,409,500	\$ 2,000,000	\$ 8,787,800
*Federal funding secured and other State funding; Five Federal Grants and one State Grant.				
1 This table is supported by detailed tables, which are available if conditionally awarded funding.				
2 Budgets for Task 1, 2 and 3 were estimated (as ~2% of total project cost) based on Rnd1 contract experience				
3 Task 6-Final Design budget was estimated as 5% of the total construction.				
4 Task 7-Environmental Documentation budget was estimated based on preparation of Reach A and Reach B, recent similar environmental documents prepared by Reclamaitn and supported by the Engineering Consultant.				
5 Task 8-Permitting budget was estimated based on recent experience by the Engineering Consultant with acquiring similar permits.				
6 Task 9-Construction Contracting stimated based on recent experience by the Engineering Consultant with providing bid-phase services				
7 Task 10-Construction-Based on Engineer's estimates of recently completed work of similar scope and dimensions.				
8 Task 11-Environmental Compliance budget was based on recent experience by a certified biologist in providing similar services.				
9 Task 12-Construction Administration budget was estimated as 7% of the total construction.				
10 Category (h)-Construction/Implementation Contingency: Engineer's construction cost estimate based on the completion of the pre-design.				
10% Construction contingency, appropriate to this level of estimate, is included.				

DAC community projects, Projects 2 and 3, include components of a potable water system that are routinely constructed for small communities. Each community is being assisted by local engineer with years of experience managing similar projects in scope and budget as the proposed improvements of around \$2M each. Detailed supporting budget documentation is available.

Table 7-2: Project 2 LHUD New Well and Water Storage Tank				
Project Serves a need of a DAC? Yes Funding Match Waiver request? Yes, although the 25%-minimum for the Proposal can be met by Calloway Canal Lining Project				
Category	(a)	(b)	(c)	(d)
	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a) Direct Project Administration	\$ 53,900	\$ -	\$ -	\$ 53,900
Task 1 - Administration	\$ 28,600	\$ -	\$ -	\$ 28,600
Task 2 - Labor Compliance Program	\$ 12,500	\$ -	\$ -	\$ 12,500
Task 3 - Reporting	\$ 12,800	\$ -	\$ -	\$ 12,800
(b) Land Purchase/ Easement - Task 4 Land Acquisition	\$ -	\$ -	\$ -	\$ -
(c) Planning/Design/Engineering/Environmental Documentation	\$ 125,300	\$ -	\$ 187,000	\$ 312,300
Task 5 - Assessment and Evaluation	\$ 10,300	\$ -	\$ 30,000	\$ 40,300
Task 6 - Final Design	\$ 62,100	\$ -	\$ 157,000	\$ 219,100
Task 7 - Environmental Documentation	\$ 50,700	\$ -	\$ -	\$ 50,700
Task 8 - Permitting	\$ 2,200	\$ -	\$ -	\$ 2,200
(d) Construction / Implementation	\$ 2,101,000	\$ -	\$ -	\$ 2,101,000
Task 9 - Construction Contracting	\$ 22,200	\$ -	\$ -	\$ 22,200
Task 10 - Construction	\$ 1,706,900	\$ -	\$ -	\$ 1,706,900
(10.1 Mob and Site Prep, 10.2 Proj Const, 10.3 Perf Test and Demob)	\$ -	\$ -	\$ -	\$ -
Task 11 - Environmental Compliance/Mitigation/Enhancement	\$ 3,700	\$ -	\$ -	\$ 3,700
Task 12 - Construction Administration	\$ 197,500	\$ -	\$ -	\$ 197,500
Construction/Implementation Contingency	\$ 170,700	\$ -	\$ -	\$ 170,700
(e) Grand Total	\$ 2,280,200	\$ -	\$ 187,000	\$ 2,467,200
*DWR Task Order No. WRIME-2014-002 is providing Other State Fund Source Cost Share to offset estimated costs for Tasks 5 and 6.				
1 This table is supported by detailed tables, which are available if conditionally awarded funding.				
2 Budgets for Task 1, 2 and 3 were estimated based on experience with admin of DWR Rnd1 contract for Poso IRWM				
3 Task 6-Final Design estimated based on recent experience by the Engineering Consultant on similar design; Task 5 and 6 offset by DWR Tech Assit				
4 Task 7-Environmental Documentation estimated based on preparation of recent similar environmental documents by consultant				
5 Task 8-Permitting budget was estimated based on recent experience by the Engineering Consultant with acquiring similar permits.				
6 Task 9-Construction Contracting budget was estimated based on recent experience by the Engineering Consultant providing bid-phased services				
7 Task 10-Construction-Based on Engineer's estimates of recently completed work of similar scope and complexity.				
8 Task 11-Environmental Compliance budget was based on recent experience by a certified biologist in providing similar services.				
9 Task 12-Construction Administration budget based on recent experience implementing similar construction and admin by engineer				
10 Category (h)-Construction/Implementation Contingency: Engineer's construction cost estimate based on the completion of the 60-percent level design. 10% construction contingencies, appropriate to this level of estimate, have been included.				

Table 8 - Summary Budget - Poso Creek IRWM Drought Grant Proposal					
Individual Project Title	(a)	(b)	(c)	(d)	(e)
	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost	Percent (%) Funding Match
(a) Calloway Canal Improvements	\$ 3,378,300	\$ 3,409,500	\$ 2,000,000	\$ 8,787,800	39%
(b) Lost Hills Utility District New Well and Water Storage Tank	\$ 2,280,200	\$ -	\$ 187,000	\$ 2,467,200	0%
(c) City of McFarland Reservoir, Booster Pump Station, and System Intertie	\$ 2,037,500	\$ -	\$ -	\$ 2,037,500	0%
Proposal Total	\$ 7,696,000	\$ 3,409,500	\$ 2,187,000	\$13,292,500	
DAC Funding Match Waiver Total	\$ -	\$ -	\$ -	\$ -	
Proposal Total minus DAC Funding Match Waiver Total	\$ 7,696,000	\$ 3,409,500	\$ 2,187,000	\$13,292,500	26%
Notes: Non-State Fund Source include Five Federal grants secured through U.S. Bureau of Reclamation for Project 1; Other State funding secured includes DWR AgWUE State Grant and DWR Technical Services; Project 2 Sponsor, LHUD, is applying for additional Federal funding, which may be awarded and secured by the time of this drought funding award and contract.					

Proposal Budget Summary – Summary Budget shows the percent funding match as 26%. Federal and State funding is secured for Project 1 and some DWR technical assistance funding for Project 2. The communities have invested local funding into system improvements leading up the drought of 2014; communities do not have the rate base or revenue to build these capital improvements without assistance.

Table 7-3: Project 3 Budget					
Poso Creek IRWM Drought Grant Proposal					
City of McFarland Reservoir, Booster Pump Station, and System Intertie					
Project Serves a need of a DAC? Yes					
Funding Match Waiver request? Yes, although the 25%-minimum for the Proposal can be met by Calloway Canal Lining Project					
Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration	\$ 31,500	\$ -	\$ -	\$ 31,500
	Task 1 - Administration	\$ 6,000	\$ -	\$ -	\$ 6,000
	Task 2 - Labor Compliance Program	\$ 18,500	\$ -	\$ -	\$ 18,500
	Task 3 - Reporting	\$ 7,000	\$ -	\$ -	\$ 7,000
(b)	Land Purchase/ Easement - Task 4 Land Acquisition	\$ 10,000	\$ -	\$ -	\$ 10,000
(c)	Planning/Design/Engineering/Environmental Documentation	\$ 57,500	\$ -	\$ -	\$ 57,500
	Task 5 - Assessment and Evaluation	\$ 4,000	\$ -	\$ -	\$ 4,000
	Task 6 - Final Design	\$ 37,000	\$ -	\$ -	\$ 37,000
	Task 7 - Environmental Documentation	\$ 6,500	\$ -	\$ -	\$ 6,500
	Task 8 - Permitting	\$ 10,000	\$ -	\$ -	\$ 10,000
(d)	Construction / Implementation	\$ 1,938,500	\$ -	\$ -	\$ 1,938,500
	Task 9 - Construction Contracting	\$ 6,000	\$ -	\$ -	\$ 6,000
	Task 10 - Construction	\$ 1,809,000	\$ -	\$ -	\$ 1,809,000
	(10.1 Mob and Site Prep, 10.2 Proj Const, 10.3 Perf Test and Demob)	\$ -	\$ -	\$ -	
	Task 11 - Environmental Compliance/Mitigation/Enhancement	\$ 3,500	\$ -	\$ -	\$ 3,500
	Task 12 - Construction Administration	\$ 120,000	\$ -	\$ -	\$ 120,000
	Construction/Implementation Contingency	\$ -	\$ -	\$ -	\$ -
(e)	Grand Total	\$ 2,037,500	\$ -	\$ -	\$ 2,037,500
1	This table is supported by detailed tables, which are available if conditionally awarded funding.				
2	Budgets for Task 1, 2 and 3 were estimated based on experience with administering the DWR Imp Round 1 contract				
3	Task 6-Final Design budget was determined based on recent experience by the Engineering Consultant in providing similar design-phase services for a project similar in scope and complexity.				
4	Task 7-Environmental Documentation budget was estimated based on preparation of recent similar environmental documents by the Engineering Consultant.				
5	Task 8-Permitting budget was estimated based on recent experience by the Engineering Consultant with acquiring similar permits.				
6	Task 9-Construction Contracting budget was estimated based on recent experience by the Engineering Consultant with providing bid-phase services.				
7	Task 10-Construction-Based on Engineer's estimates of recently completed work of similar complexity.				
8	Task 11-Environmental Compliance budget was based on recent experience by a certified biologist in providing similar services.				
9	Task 12-Construction Administration budget was determined based on recent experience implementing similar construction andministration by the Engineering Consultant in providing services for a project similar in scope and complexity.				
10	Category (h)-Construction/Implementation Contingency: Engineer's construction cost estimate based on the completion of the 60-percent level design. Construction contingencies and escalations appropriate to this level of estimate have been included.				
	A 10% contingency has been included.				